Providing New Borewells and CC Roads, Drains Developments in Rachenahalli and Other Adjusted Layouts.

# Third and Final Bill

# PMC

# (Book No. 03)

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**RUDRAPRASAD CONSULTANTS**
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 19-08-2022

ASSISTANT EXECUTIVE ENGINEER
BYATARAYANAPURA SUB DIVISION,
BBMP
BANGALORE

Dear Sir,

**Sub:** M/s. Rudraprasad Consultants Services for the work of **"PROVIDING NEW BOREWELLS AND CC ROADS, DRAINS DEVELOPMENTS IN RACHENAHALLI AND OTHER ADJUSTED LAYOUTS."**

**Ref:** 1. Work Order No: BBMP/EE/BTP/WO/151/2019-20
2. Job code: 006-20-000009

We are here with forwarding to Executive Engineer, Karnataka Rural Infrastructure Development Ltd, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560 010. Third & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.83,66,602/- (Rs. Eighty Three Lakhs Sixty Six Thousand Six Hundred and Two Only). First and Part bill for Rs.46,46,544 /- was previously submitted, Second and Part bill for Rs.64,84,947.76 /- was previously submitted & the total bill amount submitted till date being Rs.1,94,98,097/-(Rs. One Crore Ninety Four lakhs Ninety Eight Thousand and Ninety Seven Only).

Thanking you,

Yours faithfully,

**For Rudraprasad Consultants**

**R. KARTHIK RECHAN** B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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Project Management Consultants

**NAME OF WORK:-Providing New Borewells and CC Roads, Drains Developments in Rachenahalli and Other Adjusted Layouts.**

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|---|---|---|
| **Name of Client** | : | EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE |
| **Contractor/ Agency:** | | Executive Engineer, Karnataka Rural Infrastructure Development Ltd,#280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagara, Bangalore-560010 |
| **Total Cost** | : | Rs.83,66,602/- |
| **Date Of Inspection :** | | 19-08-22 |
| **Status Of Bill** | : | Third & Final Bill |
| **In the Presence of :** | | a) Assistant Engineer, Byatarayanapura Sub division, BBMP, Bangalore<br>b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE |

| PMC COMPLIANCE REPORT | | |
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| **Sl. No.** | **Description of work** | **Comments/Observations** |
| 1 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 2 | Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 3 | Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc..Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 4 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 5 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 6 | Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 7 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 8 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 9 | Stone dust / Grit 4.75 mm to 0.075 mm For Road Strengthening For UGD Cut portion and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 10 | Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 11 | Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| 12 | Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |

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| 13 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications.. and as per the directions of the Engineer in charge | Work done upto the Billed Quantity and the Quality is satisfactory |
| E1 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. | Work done upto the Billed Quantity and the Quality is satisfactory |
| E2 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6) | Work done upto the Billed Quantity and the Quality is satisfactory |

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